AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code	Page	Of
Firm-Fixed-Price	1	31

2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req No.	5. Project No. (If applicable)
P00200	2010AUG11	SEE SCHEDULE	

6. Issued By Code W56HZV

U.S. ARMY CONTRACTING COMMAND
CCTA-ATB-D
BRIANNA GLASSCOX (586)282-2204
WARREN, MICHIGAN 48397-5000
HTTP://CONTRACTING.TACOM.ARMY.MIL
WEAPON SYSTEM: WPN SYS: N5
EMAIL: BRIANNA.N.GLASSCOX@US.ARMY.MIL

7. Administered By (If other than Item 6) Code S4807A

DCMA BAE SEALY
P.O. BOX 457
SEALY TX 77474-0457

SCD C **PAS** NONE **ADP PT** HQ0339

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

TEXTRON INC.
19401 CHEF MENTEUR HWY
NEW ORLEANS, LA 70129-2565

TYPE BUSINESS: Large Business Performing in U.S.

Code 50079 **Facility Code**

☐ **9A. Amendment Of Solicitation No.**

9B. Dated (See Item 11)

☒ **10A. Modification Of Contract/Order No.**
W56HZV-05-C-0470

10B. Dated (See Item 13)
2005JUN30

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ **The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers**
☐ **is extended,** ☐ **is not extended.**

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)
ACRN: BF NET DECREASE: -$357,438.00

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS

KIND MOD CODE: A

It Modifies The Contract/Order No. As Described In Item 14.

☒ **A. This Change Order is Issued Pursuant To:** Change Clause & Mutual Agreement **The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.**

☐ **B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).**

☐ **C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:**

☐ **D. Other (Specify type of modification and authority)**

E. IMPORTANT: Contractor ☐ **is not,** ☒ **is required to sign this document and return _____ copies to the Issuing Office.**

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Contract Expiration Date: 2010JUN30

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
		BARBARA.PELISH BARBARA.PELISH@US.ARMY.MIL (586)282-7566	
15B. Contractor/Offeror	**15C. Date Signed**	**16B. United States Of America**	**16C. Date Signed**
_____ **(Signature of person authorized to sign)**		**By** /SIGNED/ **(Signature of Contracting Officer)**	2010AUG11

SECTION A - SUPPLEMENTAL INFORMATION

Prior Amount of Award: $1,779,493,604.47
Amount Of This Action: $ (357,438.00)
Total Contract Amount: $1,779,136,166.47

1. The purpose of Modification P00200 to Contract W56HZV-05-C-0470 is to incorporate Engineering Change Proposal (ECP) 106 Cupola Ring Gear Removal and show the adjusted unit price resulting from the ECP incorporation.

2. Section C.1.1 is revised to include ECP-106.

3. The in-line effectivity for this change is M1200 Serial Number S/N K1120 and subsequent.

4. ECP-106 Cupola Ring Gear Removal will impact the following Contract Line Item Numbers (CLINs) with the associated De-Obligation amounts:

CLIN	AMOUNT of De-OBLIGATION
0001BX	$ 65,432.00
0001BY	$226,839.00
0001CH	$ 43,683.00
0001CP	$ 21,484.00

5. In consideration of this modification agreed to herein as complete equitable adjustment for the Contractors ECP-106, Cupola Ring Gear Removal, proposal for adjustment, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to ECP-ASV-106, Cupola Ring Gear Removal.

6. The total amount awarded back to the Government as a result of Modification P00200 to Contract W56HZV-05-C-0470 is $357,438.00, and has been returned back to the treasury as of 13 May 2010 in the total suggested amount.

7. All other terms and conditions remain unchanged.

*** END OF NARRATIVE A0209 ***

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0001	NSN: 2320-01-437-6952 SECURITY CLASS: Unclassified				
0001BX	PRODUCTION QUANTITY	31	EA	$ 615,503.29030	$ 19,080,602.00

CLIN CONTRACT TYPE:
Firm-Fixed-Price
NOUN: ARMORED SECURITY VEHICLE
PRON: 7286F37272 PRON AMD: 04 ACRN: BF
AMS CD: 52899329097

The purpose of modification P00200 to contract W56HZV-05-C-0470 is to incorporate Engineering Change Proposal (ECP) ASV-106 - Cupola Ring Gear Removal. Vehicles impacted by this modification are, Serial Numbers (S/N) K1120-K1138.

As a result of modification P00200, the per Unit Price for 19 of the 31 vehicles, starting with S/N K1120 is reduced by $3,443.79 each, from $617,614.00 to $614,170.21. The Unit Price for the remaining 12 vehicles on CLIN 0001BX will remain $617,614.00 each.

Note: The Per Unit Price reflected is an average of the 2 Unit Prices at $615,503.29.

The negotiated price for this CLIN is ($84,061). Negotiated non-recurring costs in the amount of $18,629 has been added to offset the total amount paid back to the treasury.

The total amount de-obligated from CLIN 0001BX as a result of this modification P00200 is $65,432.00

(End of narrative B004)

Packaging and Marking

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001	W80KTY8070D002	CK00BX	M		3

DEL REL CD	QUANTITY	DEL DATE
001	4	31-DEC-2008
002	7	31-JAN-2009
003	7	28-FEB-2009

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	004 7 31-MAR-2009 005 6 30-APR-2009 FOB POINT: Origin SHIP TO: (CK00BX) XR DRS SUSTAINMENT SYSTEMS INC. 201 EVANS LN SAINT LOUIS MO 63121-1126 POC: Kathy Hollingshad PH: 417-256-6266 Receiving Hours: 0700 to 1400 Hours, Monday - Friday (End of narrative F001)				

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001BY	PRODUCTION QUANTITY	51	EA	$ 613,166.17650	$ 31,271,475.00

CLIN CONTRACT TYPE:
Firm-Fixed-Price
NOUN: ARMORED SECURITY VEHICLE
PRON: 7286F37172 PRON AMD: 05 ACRN: BF
AMS CD: 52899329097

The purpose of modification P00200 to contract W56HZV-05-C-0470 is to incorporate ECP ASV-106 - Cupola Ring Gear Removal. Vehicles impacted by this modification are, S/N K1139-K1189

As a result of this modification, the per Unit Price for the 51 vehicles purchased under CLIN 0001BY, starting with S/N K1139 is reduced by $4,447.82 each, from $617,614 to $613,166.18.

The total amount De-Obligated from CLIN 0001BY as a result of modification P00200 to contract W56HZV-05-C-0470 is $226,839.00

(End of narrative B004)

Packaging and Marking

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001	W80KTY8070D001	CK00BX	M		3

DEL REL CD	QUANTITY	DEL DATE
001	1	30-APR-2009
002	7	31-MAY-2009
003	7	30-JUN-2009
004	7	31-JUL-2009
005	7	31-AUG-2009
006	7	30-SEP-2009
007	7	31-OCT-2009
008	7	30-NOV-2009
009	1	31-DEC-2009

FOB POINT: Origin

SHIP TO:

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(CK00BX) XR DRS SUSTAINMENT SYSTEMS INC. 201 EVANS LN SAINT LOUIS MO 63121-1126 POC: Kathy Hollingshad PH: 417-256-6266 Receiving Hours: 0700 to 1400 Hours, Monday - Friday (End of narrative F001)				

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001CH	PRODUCTION QUANTITY	10	EA	$ 613,245.70000	$ 6,132,457.00

CLIN CONTRACT TYPE:
Firm-Fixed-Price
NOUN: M1200 ASV KNIGHT
PRON: 7286F40372 PRON AMD: 03 ACRN: BF
AMS CD: 52899329097

The purpose of modification P00200 to contract W56HZV-05-C-0470 is to incorporate ECP ASV-106 - Cupola Ring Gear Removal. Vehicles impacted by this modification are, S/N K1190-K1199

As a result of this modification, the per Unit Price for the 10 vehicles purchased under CLIN 0001CH, starting with S/N K1190 is reduced by $4,368.30 each, from $617,614 to $613,245.70.

The total amount De-Obligated from CLIN 0001CH as a result of modification P00200 to contract W56HZV-05-C-0470 is $43,683

(End of narrative B003)

Packaging and Marking

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001	W80KTY8213D002	CK00BX	M		3

DEL REL CD	QUANTITY	DEL DATE
001	6	30-DEC-2009
002	4	30-JAN-2010

FOB POINT: Origin

SHIP TO:
(CK00BX) XR DRS SUSTAINMENT SYSTEMS INC.
201 EVANS LN
SAINT LOUIS MO 63121-1126

POC: Kathy Hollingshad
PH: 417-256-6266

Receiving Hours: 0700 to 1400 Hours, Monday - Friday

(End of narrative F001)

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001CP	PRODUCTION QUANTITY CLIN CONTRACT TYPE: Firm-Fixed-Price NOUN: ASV KNIGHT CHASSIS PRON: 7286F41272 PRON AMD: 01 ACRN: BF AMS CD: 52899329097 The purpose of modification P00200 to contract W56HZV-05-C-0470 is to incorporate ECP ASV-106 - Cupola Ring Gear Removal. Vehicles impacted by this modification are, S/N K1200-K1204 As a result of this modification, the per Unit Price for the 5 vehicles purchased under CLIN 0001CP, starting with S/N K1200 is reduced by $4,296.80 each, from $617,614 to $613,317.20. The total amount De-Obligated from CLIN 0001CP as a result of modification P00200 to contract W56HZV-05-C-0470 is $21,484.00 (End of narrative B002) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin	5	EA	$ 613,317.20000	$ 3,066,586.00

Name of Offeror or Contractor: TEXTRON INC.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT
STATEMENT OF WORK
ARMORED SECURITY VEHICLE

C.1 GENERAL

C.1.1 The Contractor shall fabricate and deliver to the Government vehicles, which in all respects, conform to the system specification, revision D.1 dated 29 MAY 2007 and the requirements of this contract in accordance with the schedule provided in Section F of the contract. The Contractor shall also provide all data requirements in accordance with the Contract Data Requirements List (CDRL) DD Form 1423, Exhibit A. The vehicle will be configured to meet the requirements of the ASV System Specification Revision D.1, dated 29 MAY 2007 (Attachment 5), hereafter referred to as the System Specification, and the ASV top drawing 135177, dated 1 April 05, represented by top drawing 135177. M1200 Armored Knight ASVs shall be built in accordance with the ASV System Specification and top drawing 12502505 Revision C dated SEP 06, 2007.

The following list contains the ECPs that have been approved and incorporated into the contract. Vehicles shall be built to include the following ECPs.

ECP #	Description
ASV-065R2	Gen IV Transmission
ASV-066	Hydraulic Seat Improvement
ASV-068	200 Amp Alternator Upgrade
ASV-071	Potted Firing Switch
ASV-075R2	W70 Wireharness
ASV-077	Digitization Kits
ASV-078R1	Walbro Fuel Pump
ASV-079R1	Frag Kit #1
ASV-081	Turret Bolt Retrofit
ASV-084	Frag Kit #1 Supplemental Improvements
ASV-087R1	Parking Brake Interlock
ASV-090	Frag Kit #2
ASV-093	Crew Extraction
ASV-094	Seat Installation Improvements
ASV-096	MY09 Transmission Integration
ASV-099	Service Brake Manifold Improvement
ASV-100	Vision Block
ASV-101	Seat Belt Assembly Improvement
ASV-104	Parking Brake Ground Relocation
ASV-105	Torsion Bar Cover Improvement
ASV-106	Cupola Ring Gear Removal*
ASV-108	T-Case Rear Output Yoke Improvement
ASV-110	Rear Antenna Mount
ASV-111	Upper Rear Door Counterbalance
ASV-112	Requested Modifications for M1200
ASV-117	Rear Axle Half Shaft Suspension Upgrade

C.1.1.1. Technical Data Package (TDP)/Production Configuration. The contractor shall deliver in .pdf file format, one copy of the contractor indentured parts list or bill of materials, as of the date found in C.1.1 for the purposes of configuration control, logistics supportability, and definition of the production configuration.

C.1.2 Reserved

C.1.3 Reserved

C.1.4 Definitions.

C.1.4.1 Days/Months/Years after Contract effective upon contract definitization.

C.1.4.1.1 Days after Contract. Unless otherwise specified, Days after Contract (DAC) refers to calendar days after contract award.

C.1.4.1.2 Months after Contract. Unless otherwise specified, Months after Contract (MAC) refers to the months following award calculated from the date of award.

C.1.4.1.3 Years. Unless otherwise specified, Fiscal Year (FY) refers to the Government Fiscal Year. The Government FY is from 1 October until the following 30 September. Calendar Year (CY) is from 1 January through 31 December.
\~

C.1.5 Warranty of Technical Data (See Section H-17).

C.1.5.1 Logistics Data. For all Technical Manuals, Technical Bulletins, National Maintenance Work Requirements (NMWRs), and Provisioning Data, the contractor shall assure that all contractor-validated procedures work as written to accomplish the task, and that all illustrations, drawings, and provisioning data accurately reflect the vehicle configuration(s). Publications shall be living documents until verified by the government. Any non-workable procedures, inaccurate illustrations, drawings, and provisioning data shall be corrected by the contractor at no additional cost to the government within 4 weeks after notification by the government.

C.1.5.2 All technical data supplied under the Contract Data Requirements List (CDRLs) shall be complete and technically accurate. Submittals that are incomplete or technically inaccurate shall be corrected by the contractor at no additional cost to the government within 4 weeks after notification by the government.

C.1.6 Total Contract Effort. This contract shall consist of Vehicle Production, Program Support, and System Technical Support (STS) option and other options set forth in the statement of work. The components are identified as follows:

C.1.6.1 Vehicle Production. Vehicles shall be produced IAW Section C.1.1.

C.1.6.2 System Technical Support (STS) Option. STS consists of separate cost reimbursement CLINs for this production contract. Specific tasks will be assigned through work directives by program year. STS includes but is not limited to Government-directed ECPs, ECPs in support of fielded vehicles, Logistics effort in support of Government-directed ECPs, and Field Service Representatives (FSRs). STS is defined in more detail in Sec C.6 of this contract.

C.2 Program Support

C.2.1 Configuration Management

The Contractor shall maintain a complete Configuration Management Program that contains plans and procedures for its implementation. The program shall contain and define the procedures for implementing configuration management and planning, configuration identification, configuration control, configuration status accounting, configuration verification and audit, and data management. The Contractors Configuration Management program shall track engineering changes from conception through incorporation to the production hardware, TDP, and spare parts system. The Contractor's electronic system shall maintain and update all configuration management change development, tracking, and implementation data. Change implementation shall be identified to the vehicle serial number. The Contractor's configuration system shall be able to track by part revision level and identify the configuration differences between production configurations. Upon Government request, the Contractor shall make available for review any and all of the Configuration Management Program documentation, such as plans, procedures and reports. Updates to the Configuration Management Program shall be addressed as necessary at the monthly management reviews. The Contractor may use MIL-HDBK-61A(SE) for guidance.

C.2.1.1 RFD/ECP/VECP Requirements

C.2.1.1.1 General. The Contractor will use RFDs/ECPs/VECPs as appropriate to document changes to the production configuration. These are Class I Engineering changes, and are defined as a change that:

a. Affects the approved, baseline specification requirement to include: such as performance, reliability, maintainability, weight, balance, moment of inertia, interface characteristics, electromagnetic characteristics, etc.

b. Affects one or more of the following, after production baseline:

- Products furnished by the customer
- Safety
- Compatibility with interfacing products (including such products as test equipment, support equipment and associated software)
- Delivered operation or servicing instructions for which there are no planned and funded update requirement, such as for periodic or continual maintenance of the instructions.
- Preset adjustments to the extent that the product identification should be changed
- Interchangeability or substitutability of spares/replaceable products, assemblies, or components of current production and previously fielded vehicles.
- Change to a previously nonselected supplier, where supplier selection is specified
- User skills or physical attributes
- Operator or maintenance training

c. Requires retrofit of delivered products, e.g., by product recall, modification kit installation, attrition (replacement during maintenance by modified spares), etc.

d. Affects cost/price to the Government (including incentives and fees), guarantees, warranties, contracted deliveries or milestones; and is an engineering change that does not impact factors a. through c. listed above.

Changes that affect configuration documentation (released design information), product or processes but does not affect the factors listed in a. through d. above will be considered Class II changes. ECPs developed by Government direction shall be incorporated into this contract by contract modification. The Contractor shall develop, at no additional cost, ECPs to resolve deficiencies as a result of Follow-on Production Test failures, as appropriate. The Contractor shall submit Requests for Deviation (RFD) to effect a temporary

physical change to the production configuration. All RFD/ECP/VECP packages with marked drawings, impact sheets, and technical manual/RPSTL change pages shall be submitted electronically in a .pdf file.

C.2.1.1.1.1 Submittal of Data. All Class I/major changes (RFDs/ECPs/VECPs) shall be submitted to the PCO for approval. All changes that are classified as Class II/minor shall be submitted to the ACO authority for concurrence in classification simultaneously with incorporation into the vehicle. The contractor shall provide the government with an electronic copy at the same time the change is presented to the local ACO. The electronic .pdf copy of the Class II/minor change shall be submitted to the IPDMS system.

C.2.2 Engineering Change Proposals

C.2.2.1 ECP/VECP Number Assignment. The Contractor shall request a block of ECP/VECP numbers from the Configuration Management (CM) Functional Technical Representative (FTR). These numbers shall be used on an individual basis as a control identifier for the change packages. Once a number is assigned to the first submission of a change package, that number shall be retained for all subsequent submissions of that change package. Once an ECP/VECP is approved, it cannot be changed, supplemented, or revised. A new ECP will be developed and submitted to correct, change, or amend an existing approved ECP/VECP. The Contractor shall maintain records of where and when each number was used. The Contractors records shall track each number from point of assignment through incorporation to the production line. These records shall be provided to the Government upon request. When an ECP/VECP requires change or revision prior to approval, the changed and/or revised proposal shall be identified by adding the identifier "R", where is the number of the revision. These identifiers will become a permanent part of the ECP number. The complete ECP number including change/revisions identifiers shall not exceed 15 characters.

C.2.2.2 Engineering Change Proposals (ECPs). Under the terms of this clause, the Contractor shall prepare complete ECPs IAW the instructions at Instructions for Preparing ECP Forms, Attachment 6. The Contractor may use the following standard ECP Forms: DD 1692, DD 1692/2, D1692/3, DD1692/4 and DD1692/5. The Contractor may develop their own forms for the submission of ECPs/VECPs. Contractor forms will have to be agreed upon by the Project Manager, Medium Tactical Vehicles (PM, MTV) Configuration Management Office. These forms will contain all the same information required by the standard ECP Forms. Each ECP shall contain an ECP Enclosure List and ECP Interchangeability Form. Instructions and examples of these forms are provided also in Instructions for Preparing ECP Forms, Attachment 6. Each ECP shall contain applicable Specification Change Notices (SCNs), CDRL A002, DI-CMAN-80643C(T) and Notices of Revisions (NORs), CDRL A003, DI-CMAN-80642C(T).

C.2.2.2.1 With each ECP submitted consistent with C.2.1.1.1.1, the Contractor shall justify the need for making a permanent change to the production configuration. This justification shall address what effect the proposed change will have on the production, fielding, retrofit, spare/repair parts, fielded configurations of ASVs, performance, manufacturing, quality, maintenance, packaging, MANPRINT, logistics, safety, transportability, cost (production and support), electromagnetic environmental effects and nuclear survivability (if applicable). For Interface Control ECPs, the Contractor shall obtain concurrence from all interface parties and include their concurrence as part of the ECP package.

C.2.2.2.2 ECP Enclosure List - For each ECP/VECP, the Contractor shall prepare an ECP Enclosure List and incorporate it as Page 2 of the ECP package. The list shall identify all documents (i.e. changed drawings, new drawings, packaging sheets etc.) contained in the ECP package. In addition, the list shall identify all end items affected, what specific elements will be affected, what other ECPs are pending against the documents listed, and what National Stock Numbers (NSNs), if any, will be impacted by any part number change referenced in the ECP. Instructions for completing the ECP Enclosure List are found at Attachment 6.

C.2.2.2.3 ECP Interchangeability Form - For each ECP/VECP, the Contractor shall provide an ECP Interchangeability Form to document the effect the proposed change has on interchangeability or when there is an addition or deletion of parts. The Interchangeability Form shall follow the ECP Forms and precede the NORs in each change package. Instructions for completing the ECP Interchangeability Form are found at Instructions for Preparing ECP Forms, Attachment 6.

C.2.2.2.4 Notice of Revision (NOR) A003 DI-CMAN-80642C. The Contractor shall prepare a NOR for each drawing affected by an ECP. The contractor shall utilize the DD Form 1695 and the instructions provided in Instructions for Preparing ECP Forms, Attachment 6 of this contract. The changes shall be described in the body of the form in a FROM - TO format. A NOR form shall be prepared for each drawing changed, obsolete, or superseded by the ECP.

C.2.2.2.5 Specification Change Notice (SCN). The Contractor shall prepare and process SCNs IAW CDRL A002, DI-CMAN-80643C(T) when a permanent change to the system specification is warranted. The SCN shall be submitted in lieu of a NOR as part of a Class I ECP. The Contractor shall use the SCN form DD1696 and instructions at Instructions for Preparing ECP Forms, Attachment 6, when preparing an SCN.

C.2.2.3 Value Engineering Change Proposals (VECPs) - VECPs shall be prepared IAW CDRL A004, DI-CMAN-80639C (T), pursuant to the VE Clause, FAR 52.248-1 and in the same manner as Class I ECPs (See Para C.2.2). VECPs shall be prepared IAW the forms and instructions provided in Instructions for Preparing ECP Forms, Attachment 6. The VECP shall address what effect the proposed change will have on the TDP, performance, manufacturing, quality, maintenance, packaging, MANPRINT, logistics, safety, transportability, spare/repair parts, cost savings, and nuclear survivability (if applicable). It must also address what effect the VECP will have on the current production, the ASV fielded vehicles, and retrofit. For VECPs affecting interface control, the Contractor shall obtain concurrence from all interface parties and include such concurrences as part of the VECP package (CDRL A004).

C.2.2.4 Reserved

C.2.2.5 Request for Deviation (RFD). When deviations to the ASV production configuration or any other contract requirement are considered necessary by the Contractor, a RFD may be submitted utilizing DD Form 1694 and prepared according to the instructions provided at Attachment 7 and CDRL A005, DI-CMAN-80640C(T). The RFD shall be annotated by the Contractor to reflect the anticipated production effectivity point by vehicle serial/registration number and date. Deviations and Waivers shall contain copies of affected drawings as well as any other supporting data necessary to fully understand the proposal and make a determination. Any RFDs, which if approved, would require a decrease to the contract price, shall contain the required cost proposal data and shall be submitted with the RFD package. The cost proposal data shall be prepared IAW Section I of this contract and contain pricing data to support cost evaluation, negotiation, and an equitable adjustment to the contract.

C.2.2.6 Effectivity Certification. Changes resulting from RFDs/ECPs/VECPs will be incorporated to the production line upon notification by the PCO. Each RFD/ECP/VECP shall be applied to the production line at a single cut-in point (single vehicle) in their entirety. For each change document, the Contractor shall prepare and submit an effectivity cut-in certification according to the instructions at Instructions for Preparing ECP Forms, Attachment 6. The Contractor shall obtain Supervisor of Ship Building (SUPSHIP) verification before electronically submitting the Effectivity Certification to the Government (CDRL A006).

C.2.2.7 Configuration Status Accounting & Engineering Records (CSAER)

C.2.2.7.1 CSAER Submittal & Validation - The Contractor shall ensure that accurate and complete CSAER on-line computer input metadata is provided. The Contractor shall be able to access the on-line system via personal computer over the Internet. The Government shall provide training on how to access and input metadata on-line. The metadata shall define the detail part records, the part, assembly, and vehicle configurations, and change/release records as a result of ECPs/VECPs/RFDs. The Contractor shall submit with each ECP/VECP/RFD the metadata to create/update/revise the ASV configuration metadata for each part, assembly, and vehicle configuration affected by the change document. Submittal of CSAER data shall institute a complete and permanent audit trail history of production Baseline. The media used to input CSAER data should be web based online access. Password and security clearance may be required to access the on-line system. The contractor shall contact PM, ASV Configuration Management who will contact a TACOM Information Assurance Security Officer (IASO) who will assist in the completing and submission of the forms. Depending on the system access requirements the Contractor may need to provide completed security investigation paperwork to TACOM Intel and Security Division, ATTN: AMSTA-CM-XSC (Gayle Bedwell), Tel: (586) 574-6262. CSAER submittals shall be in accordance with CDRL A007, DI-CMAN-81253A.

C.2.2.7.2 SAER Validation - The Contractor shall be responsible for review, edit, and correction if CSAER errors resulting from the Governments audit of the Contractors metadata input. The Government will provide the Contractor with notification of deficiencies noted in the on-line CSAER database. The Contractor shall electronically resubmit a corrected package within 14 working days and at no cost to the Government. Periodically the Government will provide the contractor with baseline or bill of material reports, (at assembly level or vehicle level). The contractor will correct all deficiencies noted in these BOMs and submit corrective data within 14 working days in accordance with CDRL A007.

C.2.3 Reserved

C.2.4 Safety and Environmental

C.2.4.1 Safety Engineering. The Contractor shall integrate system safety engineering into system design efforts. The Contractor shall address the safety and health requirements of the system specification, Attachment 5, in the technical reviews. System design and operational procedures developed by the Contractor shall consider but not be limited to the following:

a. Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.

b. Eliminating or reducing significant hazards by appropriate design or material selection.

c. Controlling or minimizing hazards to personnel that cannot be avoided or eliminated.

d. Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards such as high temperature, chemical burns, electrical shock, cutting edges, sharp points, or concentrations of toxic fumes above established threshold limit values. All moving parts, mechanical power transmission devices, exhaust system components, pneumatic components and hydraulic components, which are of such a nature or so located as to be a hazard to operating or maintenance personnel, shall be either enclosed or guarded. Protective devices shall not impair operational functions.

e. Assuring that suitable warning and caution notes are included in instructions for operation, maintenance, assembly and repair and distinct markings placed on hazardous components of equipment.

f. Ensuring that safety is considered for both operational and maintenance phases of the system.

C.2.4.2 System Safety Program. To ensure the safety objectives are achieved, the contractor shall establish a safety program that will

integrate safety engineering tasks into the overall system engineering effort. The SSP should be documented in a System Safety Program Plan and be submitted to the Government 90 days after contract award IAW CDRL A009, DI-SAFT-81626.

C.2.4.3 Reserved

C.2.4.4 Safety Assessment Report (SAR)

C.2.4.4.1 Based on safety analyses, hazard evaluations, and independent Contractor testing, the Contractor shall prepare and deliver a Safety Assessment Report (SAR). The updated SAR shall identify all safety features of the hardware, software, system design and inherent hazards and shall establish special procedures and/or precautions to be observed by Government test agencies and system users. The SAR will be prepared IAW CDRL A010, DI-SAFT-80102B.

C.2.4.4.2 In the event the system is modified or procedural changes made after the final SAR is submitted, the Contractor shall update the SAR to reflect those modifications or changes.

C.2.4.5 Hazard Identification. The Contractor shall provide information concerning identified hazards to the Government at IPT/System Safety Working Group Meetings so they can be entered into the Government Hazard Tracking System. As a minimum, the following information should be provided for each hazard:

a. Description of each hazard, to include cause, possible effect, and hazard category

b. Status of each hazard

c. Proposed corrective action

C.2.4.6 Health Hazard Assessment (HHA). The Contractor shall prepare and deliver a Health Hazard Assessment Report IAW CDRL A011 and incorporate the HHA into the SAR as an addendum. A health hazard is defined in DI-SAFT-80106B. In preparing the update to the health hazard portion of the SAR, the Contractor shall provide a description and discussion of each potential or actual health hazard issue of concern for each subsystem or component. The Contractor shall include classification of severity and probability of occurrence, and when the hazards may be expected under normal or unusual operating or maintenance conditions. The Contractor shall make recommendations for the identified health hazards concerning engineering controls, equipment, and/or protective procedures, to reduce the hazard to an acceptable risk. Issues to be addressed within the report shall include but not be limited to:

a. Noise

b. Toxic Gases

(l) Carbon Monoxide
(2) Ammonia
(3) Oxides of nitrogen and sulfur
(4) Acrolein

c. Toxic Chemicals

d. Ionizing or non-ionizing radiation

e. Heat and Cold (to include heat stress)

f. Shock and vibration to crew members

g. The chemicals identified in the Materiel Safety Data Sheets to be provided in the SAR (DI-SAFT-80l02B)

C.2.4.7 Hazardous Materials. Unless written authorization is obtained beforehand from the PCO, the Contractor shall not use cadmium, hexavalent chromium, Class I or Class II ozone-depleting chemicals (ODCs), or other highly toxic or carcinogenic materials in the manufacture and assembly of ASVs. The Contractor shall not use materials that are identified in the Registry of Toxic Effects of Chemical Substances, published by the National Institute for Occupational Safety and Health, as materials that will produce toxic effects via respiratory tract, eye, skin or mouth. Moderately toxic materials may be used, provided the design and control preclude personnel from being exposed to environments in excess of the specified in 29 CFR 1910, Occupational Safety and Health Standards.

C.2.4.7.1 Radioactive Material. Radioactive material shall not be utilized in the equipment supplied to the Government under this contract.

C.2.4.8 Hazardous Materials Management Program (HMMP). The Contractor shall establish, implement and maintain a Hazardous Materials Management Program using National Aerospace Standard 411 (NAS 411) "Hazardous Materials Management Program" as a guide. The purpose of this program is to eliminate or minimize (where elimination is not possible) hazardous and environmentally unacceptable materials throughout the life cycle of the system to ensure protection of human health and the environment. The Contractor shall prepare a

Hazardous Materials Management Program Plan which, at a minimum, shall identify and describe the organizational relationships and responsibilities for eliminating hazardous materials, define the process used to identify the hazardous materials utilized in the manufacturing process, and establish prioritization criteria for ranking the relative risks of these hazardous materials. This Plan shall be submitted following the outline contained in NAS 411 paragraph 4.4 per DI MISC-81398, CDRL A012. The Contractor shall submit Hazardous Material Management Reports following the outline contained in NAS 411 per paragraph 4.4 per DI-MISC-81397, CDRL A013. The plan and report shall address all process used in the production of the ASV, to include vehicle storage after production, and the management of waste and storage/disposal of scrap material generated by the program. The plan and report shall also identify all hazardous materials required for system production, a listing of prioritized hazardous materials for minimization/elimination per the criteria established in the Hazardous Materials Management Plan, and identify those hazardous materials or processes for which non-hazardous substitute materials/technologies may be available for implementation.

C.3 Meetings

C.3.1 Start of Work Meeting. A Start of Work meeting shall be held at the contractors facility within 15 business days of initial award. The actual date of the meeting shall be coordinated between the contractor and the Procuring Contracting Officer (PCO).

C.3.2 Quarterly Management Review Meetings (QMRs). The Contractor shall host Quarterly Management Review Meetings every 90 days until the end of this contract. The QMRs will cover all functional areas of the program, and shall discuss the status of the vehicles being manufactured under the contract.

C.3.2.1 Reserved.

C.3.2.2 The status of each project covered under the STS effort shall be briefed by the Contractor at the QMRs.

C.3.3 Monthly Management Review. There shall be Monthly Management Reviews. The review shall last no longer than 2 days. The reviews shall be held at the Contractors facility or via Video Teleconference (VTC), unless otherwise notified by the PCO in writing. The Monthly Management Reviews shall include the following:

a. Engineering Management Review

b. Product Assurance & Test Management Review

c. Integrated Logistics Support review

d. Business Management/Contracts Review

e. Program Management Review

f. Partnering

g. System Technical Support (STS)

C.3.4 Meeting Management

C.3.4.1 Agendas. The Contractor shall prepare agendas for all meetings in the contract in Contractor format. Agendas shall be submitted electronically 5 calendar days prior to the meeting (CDRL A014).

C.3.4.2. Documentation. The Contractor shall provide a list of action items, and briefing charts, if applicable. as identified in CDRL A015 by e-mail, within ten (10) working days after the meeting.

C.3.5 Reserved

C.4 Packaging

C.4.1 Reserved

C.4.2 The Contractor shall deliver packaging logistics information IAW DI-PACK-81582 TACOM-managed store, stock and issue items listed at Attachment 17. The Contractor shall provide submittals as delimited ASCII text files compatible with Electronic Packaging Data System (EPDS) (CDRL A017). Packaging logistics information for future additions to the TACOM managed items will be provided under a STS work directive.

C.4.3 The Contractor shall provide a Material Safety Data Sheet (MSDS) IAW CDRL A018, per AR-700-143, for each hazardous material item in accordance with Occupational Safety and Health Act (OSHA) 1910.1200(g) at least 30 days prior to each provisioning conference.

C.4.4 The Contractor shall provide assessment data in contractor format IAW CDRL A019, per AR-700-15, to determine if any existing Long

Life Reusable Container (LLRC) designs are suitable for the engine, transmission and transfer case. The contractor shall assess the fit and function of one each existing container and compare costs of modifications and alternate new designs. Assessment data shall include analysis justifying the need for a new or modified container. The contractor shall consult with the TACOM Packaging Team (AMSTA-LC-LEAP) to assess existing LLRC designs for similar items. Under direction from the PCO, the contractor shall submit a proposal to develop new LLRC designs. Each LLRC proposal shall include development cost, validation, estimate of life cycle cost, analysis of data from the Container Design Retrieval System (CDRS), and the cost to develop a Technical Data Package (TDP). The Government shall evaluate each LLRC proposal. If approved, the contractor shall develop a new LLRC as directed by the Government.

C.4.5 Shelf Life Materiel Quality Storage Standards Policy for shelf life items of supply shall apply IAW AR-708-18 dated March 10, 2004. All new store and stock issue items of supply require detailed instructions for Type II Extendible shelf life items including special storage conditions, visual inspection, required testing equipment, test site, qualified test personnel, mandatory testing and any additional information required for end user to extend the shelf life. Shelf Life data is required to load the master DOD shelf life data base in contractor format IAW CDRL A020, per AR-708-18.

C.5 Logistics

C.5.1 Basic Requirement. The Contractor shall plan, manage, and execute the logistics requirements described herein. ILS program objectives are to analyze the support requirements and to develop and deliver a logistics support package including parts, provisioning data, technical data, training, and technical support for Contractor-generated ECPs for the ASV and all support items. The ILS package shall include all the logistics data specified below, which supports all generated ECPs. All ILS/Logistics Management Information (LMI) shall be prepared and delivered IAW the requirements specified herein, on the related CDRLs, and IAW guidance provided in Military Handbook 502 Department of Defense Handbook for Acquisition Logistics and Military Performance Specification 49506. The Contractor shall provide ILS management support that includes:

a. End Item(s) Configuration Management Control/ILS Functional Interface

b. LMI Research, Analysis, Development, and Documentation

c. Vehicle System Operation and Maintenance Engineering Analysis/Planning

d. Vehicle System Initial and Follow-on Provisioning/Supply Support

e. Vehicle System Technical Publications Development and Continuous Update

f. Operator and Maintenance Training/Training Material Development/Update

C.5.2 ILS Management Responsibilities. The Contractor shall identify an ILS Manager who will be the primary Point of Contact (POC) for the Contractor development of logistics products for the production effort and STS effort.

C.5.2.1, The Contractors ILS manager will:

a. Be responsible for managing Contractor efforts to meet logistics planning requirements defined by the ILS Integrated Product Team (IPT)

b. Serve as the lead for the Contractor for ILS IPT Reviews

c. Participate in milestone planning and ensure logistics products are developed based on the jointly developed ILS master schedule

C.5.2.2 ILS Management Control Log. The Contractor shall maintain an ILS Management Control Log (Contractor format, electronic

file) (CDRL A021, per DI-ALSS-81530.) with supporting documentation for Government review, as required, that tracks all changes to the production configuration baseline and subsequent ILS/LMI impact, to include the following:

a. ECP Control Number (system, subsystem, component, part)

b. Provisioning Change (Required/Not Required), by affected system, sub-system, assembly, subassembly, component Part Number (P/N), Contractor and Government Entity Code (CAGEC), and NSN, if available via screening

c. Operation/Maintenance Instructions Change (Required/Not Required), by affected paragraphs/pages

d. Operation/Maintenance Training Material Change (Required/Not Required), by affected training packages, paragraphs, pages

e. Technical Publication Change (Required/Not Required), by affected Technical Manual (TM), paragraphs, pages,

illustrations

C.5.2.3 ILS Hardware. The Contractor shall ensure that Government furnished vehicle is updated to current configuration (via ECP implementation or government work directive). Costs associated with maintaining the vehicle shall be applied to the associated work directive.

C.5.2.4 Reserved

C.5.2.5 Logistics Management Information (LMI) Research, Analysis, Development, and Documentation - Data

C.5.2.5.1 LMI data is herein defined as all vehicle specific technical information required to safely operate, maintain, and support the system by the intended target audience in its designated environment(s) for the expected life-cycle of the equipment.

C.5.2.5.2 The Contractor shall brief his strategy for conducting operation and maintenance analysis at the Monthly Management Review. Updates to any analysis, procedures, and/or strategy shall be briefed at each subsequent review.

C.5.2.5.3 Logistics Management Information Summaries (LMIS)/Supportability Analysis Summaries (SAS), Maintenance Analysis Planning/Repair.

C.5.2.5.3.1 The Contractor shall ensure LMI is fully addressed in all ECPs and that LMI is maintained to the most current configuration baseline and LMI Data Summaries are provided IAW CDRL A023, DI-ALSS-81530. The Contractor shall conduct a review of new operation and maintenance information focusing on operation and maintenance analysis for new vehicle assemblies, sub-assemblies, spare parts, Basic Issue Items (BII), Component of End Item (COEI), Additional Authorized List (AAL), and kits, and identify the tools required to define optimal maintenance support.

C.5.2.5.4 Reserved

C.5.3 Training

C.5.3.1 Option A - Training at Contractor Facilities The contractor shall provide two (2) fully trained and fully qualified instructors per class and all facilities, hand tools and training materials necessary (using current Government-approved course materials) to conduct a 40 hour Operator training class and an 80 hour Field Level Maintenance Training class. The class size will be limited to 12 students per class from fielded units. This option may be exercised incrementally, up to 6 classes each per year. The number of classes shall be determined by the Government. The Government and the Contractor shall agree upon a schedule before start of class. The contractor will deliver a class roster and course critique sheets at the end of each class IAW CDRL A024.

C.5.3.2 Option B - Training at Government Facilities -The contractor shall provide two (2) fully trained and fully qualified instructors per class and all training materials necessary (using current Government-approved course materials) to conduct a 40 hour Operator training class and an 80 hour Field Level Maintenance Training class. Facilities, tools and supplies shall be provided by the Government. The class size will be limited to 12 students per class from fielded units. This option may be exercised incrementally, up to 6 classes each per year. The number of classes and location shall be determined by the Government. The Government and Contractor shall agree upon a schedule before start of class. The contractor will deliver a class roster and course critique sheets at the end of each class IAW CDRL A024. All travel costs will be covered under the STS portion of this contract.

C.5.3.3 Option C- Training/FSR Support at Government Facilities. The contractor shall provide one (1) fully trained and fully qualified instructor/FSR to support additional Doctrine and Tactics Training (DTT)/Range training. This option will be planned and exercised along with Option B, as required. The contractor shall utilize one of the Instructors provided in Option B. This option shall be based and exercised on a man-day rate (12 hours per day) as the number of days may vary based on the training requirements.

C.5.4 Special Tool Requirements

C.5.4.1 The Contractor shall supply the Special Tools listed at Attachment 11. The Field Level set and Sustainment Level set shall be to the latest configuration required for maintenance of the ASV and shall be supplied in the quantities listed below.

Quantity:
Field Level (P/N 574K4940) - 37 sets required.
Sustainment (P/N 574K4940-001) - 6 sets required.

Options:

Field Level sets shall be priced and optioned in quantities of 8 for each of the 4 options; a total quantity of 32 (thirty-two) option sets.

Sustainment Level sets shall be priced and optioned in quantities of 1 for each of the 11 (eleven) options; a total quantity of 11 sets.

Options may be exercised for each set in the quantities specified based on the following shipping schedule.

Any changes to the special tools as a result of an ECP shall be incorporated in and delivered with the appropriate tool set immediately following incorporation of the ECP into the contract.

C.5.4.2 Deliveries:

The Contractor shall deliver each set according to the shipping schedule. Special Tools must be available to provide continued support to the Total Package Fielding (TPF) effort. The current fielding site in IRAQ may be constrained on receipt and storage of the special tool sets. The Contractor shall plan for storage of sets pending shipment and ensure the ILS and Fielding Managers are given weekly status on shipment and storage. The contractor shall notify the Government a minimum of 90 days prior to the requirement to exercise an option requirement for special tools.

For Special Tool Shipping Schedule, see Attachment 19.

C.5.5 Integrated Logistic Support

C.5.6. Provisioning Program

a. *.The provisioning program for the M1117 ASV in this contract has as a basis the existing Provisioning Master Record (PMR) under PCCN: CCASV1, PCC: ASV. The end product of this provisioning program shall be a substantial update that includes all current, new or changed assemblies, subassemblies, spare parts and kits to include Components of the End Item (COEI), Basic Issue Items (BII), Additional Authorized (AAL) and Special Tools required in support of the M1117 ASV. The contractor shall be required to maintain and adjust the PMR by adding, deleting, adjusting Provisioning List Item Sequence Number (PLISN) records to the final Government approved M1117 ASV configuration. In addition, it is our intent to identify vendor part numbers and sources for all commercially developed /supported/cataloged items applicable to the ASV.

*

a. *.Provisioning Schedule Conferences and Reviews. The contractor shall provide a provisioning performance schedule at the Start of Work meeting (Provisioning Requirements Statement). The start of work meeting shall be hosted by the contractor no later than 30 days after award of this scope of work. This schedule shall provide an estimate of the number of items to be provisioned and the number of conferences that will be required. The contractor shall host a Provisioning Conference. The contractors provisioning performance will be governed by MIL-PRF-49506. The first Provisioning Conference/ Review will be held 60 days after the start of work meeting. The contractor shall host conference at least every 60 days until the entire ASV PMR has been provided to the Government. The maximum number of items at any Provisioning Conference shall be 1,500 line items, the minimum number of lines presented at any conference shall be 750. Each conference will be scheduled in succession until all items have been provisioned.

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C.5.6.1 Logistics Management Information (LMI) Data Products/Provisioning Parts List (PPL) (DI-ALLSS-81529, Attachment A - CDRL A026). For guidance see MIL-STD-1388-2A or 2B (see previous paragraph for current reference data), LSA-036 Summary.

a. At each Provisioning Conference/Review the contractor shall have two hard copies of your LMI Data Product (LSA-036 Summary (PPL) formats is acceptable) for Government review. The Government will review this list of items and your recommended data element entries. Once the Government completes its review and provides its concurrence or nonoccurrence on the data, the contractor shall make the necessary changes and deliver the updated LMI data product (PPL) 30 days after completion of each Conference/Review.

*

*b. The data shall be capable of being loaded into our PMR without any modification to the data. As necessary, we will discuss the various methods you can deliver provisioning data at the Provisioning Guidance Conference. Attachment 19 describes data elements required in MIL-PRF-49506, MIL-STD-1388 and MIL-HDBK-502.

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a. *.You shall correct all CCSS PMR rejects within 15 business days after the government notifies the contractor of the errors.

C.5.6.1.1 Logistics Management Information (LMI) Data Products/Supplementary Provisioning Technical Documentation (SPTD)/Drawings (DI-ILSS-81289) CDRL A025

The contractor shall have available at each Conference/Review two hard copies of the SPTD for each item on the PPL for our review. The contractor shall present installation and assembly drawings needed to establish the relationship between each Assembly, Sub-Assembly, spare or repair part, and Kits used on the M1117 ASV. Also, the contractor shall identify the vendor source and part number for all commercially cataloged items except as noted below and Attachment 21.

(1) *()The drawings shall be in PLISN sequence.

(2) All drawings shall be in accordance to DI-ILSS-81289. Pages from the existing ASV Technical Manual will not be acceptable SPTD. With the exception of proprietary installation drawings, assembly drawings and attachment X; all drawings shall be submitted on a CD in Adobe Acrobat .PDF File format, or some other software formatted product that we agree to, concurrently with each PPL delivery. Attachment 21 contains the maximum items considered proprietary to the contractor, and as such shall not require identification of vendor sources and part number. Attachment 21 shall continue to be worked between the Contractor and the Government for further identification of non proprietary candidates with a mutually agreed upon reduction of items. Technical Documentation that is exempt from delivery shall be made available to the government at all provisioning conferences.

(3) Text on all approved drawings shall be in the English Language.

(4) You shall have all approved vendor Commercial and Government Entity (CAGE) Code typed, stamped or written legibly with an authorized signature and date cited on all drawings.

(5) The contractor shall present and deliver provisioning drawings (SPTD) for item(s) that do not currently have a valid NSN and those items which do not currently have vendor part numbers/sources identified. The contractor shall also present installation and assembly drawings that show the relationship between the end item or repairable component and the provisioned parts. The contractor shall not create new drawings for this effort but shall provide the best available drawing(s) and documentation for each part IAW Section 10.2 of DI-ILSS-81289. The best available drawing may include those already created under a separate contract effort.

C.5.6.1.2 Logistics Management Information Summaries/Pre-Procurement Screening /Documentation of Parts Pricing (DI - ALSS-81529, Attachment E - CDRL A027). For guidance see MIL-PRF-49506, LSA-036 Summary.

The contractor shall conduct pre-procurement screening for all items to be provisioned. The contractor shall screen the Defense Logistics Information Service (DLIS) Center or equivalent Military Supply System for data on all part of the recommended maintenance significant items to be provisioned and shall utilize the prices cited therein. In the event the price is not contained in the DLIS Center file; the contractor shall develop a unit of measure price for all parts listed on the PPL. The contractor shall list the most economical price in the data base (LSA 036 report) s the unit measure price. All unit of measure prices shall be in the current fiscal year dollar(s) to reflect the most current prices for provisioning process. This screening shall be available at each Conference/Review in PLISN sequence showing either NSN hit or no hit for each item listed on the PPL.

C.5.6.1.3 Baseline Provisioning Parts List (PPL) Deliverable (CDRL AO26).

The baseline PPL deliverable/submittal shall include all vehicle configuration information from Vehicle Serial No. 005 up to a mutually agreed upon Vehicle Serial No. or date agreed to at the Start of Work Meeting. The parts list will contain the data elements listed in attachment A.

C.5.6.1.3.1 The contractor shall apply SMR codes based on the four level coding structure unless additional guidance is provided by the Government prior to the Start of Work Meeting.
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C.5.6.1.3.2. The contractor shall assign failure factors based on the following guidance:

a. Expected failure is high - 15
b. Expected failure is medium 7
c. Expected failure is low 2
d. Service items shall be based on the actual service requirement plus any expected failure.
e. Item where failure cannot be expected or predicted shall be source coded PB and no failure factor is assigned.

C.6 Option - Systems Technical Support

C.6.1 Reserved

C.6.2 Engineering and Technical Support Functions. The Contractor shall furnish the supplies and services to accomplish the engineering, configuration management, quality assurance, ILS, maintenance, safety and related support efforts associated with Government-initiated changes and improvements to production vehicles and other efforts associated with the production and fielding of the ASV, as defined by the System Specification and the drawings identified in the ASV Technical Data Package as represented by top drawing 135177, dated 1 April 05. The Contractor shall be paid for only hours actually worked. The Contractor shall not exceed the hours, or dollars, specified in a given work directive unless expressly authorized by the PCO.

C.6.2.1 Technical Support. The contractor may be required by approved work directive to conduct technical investigations and evaluations of systems, components, and processes. The evaluations may require analysis of failed components, preparation of engineering calculations, layouts, and fabrication of prototype hardware for trial installation and/or testing. The contractor shall provide parts, materials, and supplies required to support and conduct engineering evaluation, maintenance, and restoration of the contract item or modification. The contractor shall provide on-site technical services relating to the contract item at Government specified locations, as identified in applicable project request or work directive. Technical reports, as required by work directives, shall be submitted as specified in the work directive to identify the results of investigations or evaluations with recommendations for future course of action with supporting rationale and documentation. Documentation may include cost estimates, calculations, sketches, schematics, and other visual depictions. The contractor shall:

a. Prepare engineering cost estimates for recommended design changes, prototype testing, and verification work, and preparation of TDP packages for use in competitive acquisitions.

b. Prepare engineering cost estimates for recommended design changes based upon procurement quantities, along with an estimated time for manufacture and installation.

c. Conduct structural analysis (stress analysis, finite element analysis, dynamic modeling, etc.) on parts, components and assemblages.

d. Modify and fabricate parts, components and assemblages (including mock-ups and prototype versions) of future production related items.

e. Conduct trial installations and tests of the contract items (parts, components and assemblages), modification thereof and testing related to processes and methods required to evaluate form, fit and function of the item. Replacement parts shall be provided as necessary for evaluation, for required maintenance, for refurbishment and restoration of the contract item or modifications thereof during required testing.

f. Conduct system/design trade-off studies.

g. Provide engineering observer services relating to the contract item and data at Government specified locations. Such services shall consist of observations of Government and/or third party tests, attendance at technical meetings, field review of modified and/or failed contract items and technical assistance during vehicle fielding. The Contractor shall furnish a copy of all engineering accomplishments developed under the contract work directive.

h. MANPRINT considerations shall be incorporated into all work performed as part of STS.

C.6.2.1.1 Technical reports shall be submitted in accordance with CDRL A0034 and, as required by work directive, thoroughly present/discuss the following: project objective; background information; technical problem; methodology of investigation, evaluation, or analysis; assumptions; trade-offs studied; impacts to the vehicle system, subsystems, and vehicle readiness; impacts to current production vehicle costs, schedules, and performance; results of investigation, evaluation, or analysis; important findings and conclusions; recommendations for future courses of action; supporting rationale and documentation. Documentation may include cost estimates, calculations, sketches, schematics, and other visual depictions. When technical reports are required by work directive, during the course of the work directive project, they shall document the effort to date; all information specified above known to date: and the projected cost and schedule of work remaining.

C.6.2.2 Soldier-Machine Interface All design changes/modifications, which affect the soldier-machine interface, shall be subjected to Human Factors Engineering (HFE) analysis, simulation and/or testing. If degradation is likely to occur, appropriate actions shall take place to correct the situation or return the changed area to previous level of performance. Major modifications, which affect the soldier-machine interface (both operator and maintainer), shall include qualified HFE input to insure that the requirements of MIL-STD-1472 are met.

C.6.2.3 STS Configuration Control:

C.6.2.3.1 The Contractor shall prepare Engineering Change Proposals (ECPs) in accordance with CDRL A001, the instructions provided in this clause and Attachment 6. Each ECP package shall contain NORS per CDRL A003.

C.6.2.3.2 Engineering Drawings, Product Drawings and Records - Under STS the Contractor shall provide Product Design Drawings as described in MIL-DTL-31000C (Level III) and in accordance with CDRL A031, ASME Y14.100 and ASME Y.14.24. It is essential that the drawings be in compliance with the ordering data as defined in Attachment 16. Detail, subassembly and assembly drawings shall be completely delineated, directly or by reference to other documents, engineering requirements and characteristics such as materials, tolerance methods shall be utilized where applicable per ANSI 14.5. Engineering drawings and associated lists prepared, shall as a minimum, provide the necessary design, engineering, manufacturing, and quality assurance information sufficient to procure or manufacture an item that duplicates the physical and performance characteristics of the original prototype, without additional design engineering effort or recourse to the original design activity. Container drawings for the engine and transmission shall also be provided as product drawings defined herein.

C.6.2.3.3 Drawings and CAD files prepared for items developed with funds of this Contract or any other Government contract by the Contractor or his subcontractors are property of the Government and shall be provided with unlimited rights. The Contractor shall present the list of exceptions, those existing drawings and model files developed at private expense, with his proposal.

C.6.2.3.4 An Engineering Release Record IAW CDRL A032, DI-CMAN-80463C(T) shall be submitted for each approved ECP.

C.6.3 Reserved

C.6.4 Reserved

C.6.5 Material. All material required to perform STS efforts will be negotiated on a case by case basis.

C.6.6 Work Directives Upon receipt of a project request describing the engineering and/or technical support services to be performed, the contractor shall prepare a proposal, which includes a scope of work, milestone chart, and itemized projected man hour and material expenditures, with cost information attached, to the PCO. The government will use this information to issue a work directive signed by the PCO. A sample work directive is provided as Attachment 4.

C.6.6.1 The Contractor shall notify the COR immediately by telephone and e-mail if the dates that work must be performed or data to be delivered will not be met. The Contractor shall follow-up with a letter to the PCO and COR.

C.6.6.2 The Government has the unilateral right to increase, decrease or prioritize the work to be performed by PCO issuance of a signed Work Directive. It is understood and agreed that such adjustments shall be made within the general scope and level of effort of the contract and without equitable adjustment. The COR has the right to prioritize the work being performed under this STS clause.

C.6.6.3 If, at any time, the Contractor has reason to believe that the amount (hours and/or cost) which it expects to incur in the performance of a Work Directive are insufficient, the Contractor shall provide written notification to the COR and PCO for appropriate action. The Contractor shall furnish a revised statement of total hours and dollars to complete such work together with said notice. The Contractor shall not exceed any amount authorized for each individual work directive without the express written permission of the PCO.

Accordingly, the Contractor shall notify the PCO and COR when 75% of the allocated funds for that particular work directive have been expended or obligated IAW FAR 52.232-20 contained in this contract.

C.6.6.4 Electronic Work Directives. Work directives shall be generated in an electronic format and transmitted via electronic media that are mutually acceptable to the Government and Contractor.

C.6.7 Monthly Cost and Performance Reports. The contractor shall submit monthly Cost and Performance reports IAW CDRL A016, (DI-FNCL-80912) providing the status of hours and funds allocated and expended for each Work Directive.

C.6.8 Technical Documentation. The Contractor shall electronically submit all documentation required under this STS clause, unless otherwise directed in the work directive. Unless otherwise stated, all technical data and reports shall be submitted by e-mail or other electronic means mutually agreed to by both parties. Data/Reports submitted by e-mail shall not exceed six megabytes (Mb) in file size. Data/reports over 6 Mb shall be transferred to the ASV section of the Integrated Product Data Management System (IPDMS) or as otherwise directed. Proprietary data/export control data submitted by the Contractor may be submitted in electronic format. The Contractor shall attempt a test transmission to the Government of each type of file and/or electronic method and the Government shall verify receipt and successful transmission before achieving mutual agreement. This clause only applies to unclassified data.

C.6.9 The Contractor shall plan, manage, and execute logistics requirements and deliver a logistics support package including parts, provisioning data, technical data, training, and technical support IAW section C.5, the requirements set forth below and as further defined by work directive.

C.6.10 Publications Requirements

C.6.10.1 Technical Manuals. As required by WD, the Contractor shall prepare and include any specified changes and information to ASV publications under the requirements established. If required, the Contractor shall update existing COTS manuals according to Attachments 1 and 2, and as further defined by work directive.

C.6.10.2 Reserved

C.6.10.3 National Maintenance Work Requirements (NMWR). When required by work directive, the Contractor shall prepare National Maintenance Work Requirements (NMWRs) publications. The NMWRs will include all necessary information so that the specified assembly, their subassemblies and all their accessories can be disassembled, and reconditioned. All parts are to be cleaned and stripped of paint, corrosion, and rust. All parts shall be thoroughly inspected. Worn or damaged parts shall be replaced. When using other than OEM parts, the parts must be able to be repaired or replaced using the existing ASV procedures, tools and repair parts specified in the ASV technical manuals, and must meet or exceed OEM specifications. All engines and transmissions will be rebuilt to their original configuration.

C.6.11 Logistics. Footprint Reduction Analysis. The Contractor will conduct continuous analysis to identify potential opportunities to reduce the existing ASV Logistics Footprint as authorized by work directives. Goals include, but are not limited to:

a) Reduction in the overall number of maintenance tasks required for service, troubleshooting and repair.
b) Reduced service, troubleshooting and component replacement times.
c) Reduction in the number of ASV-unique special and fabricated tools.
d) Reduction of scheduled services required (in terms of time, number of tasks and parts cost).

C.6.12 Quality System. All Contract Quality requirements shall also apply to STS products and services provided under this Contract.

C.7 Travel

Travel expenses shall be in accordance with the Department of Defense Joint Travel Regulations.

C.8 Copyright Release

The Contractor shall furnish an unlimited release giving the Government permission to reproduce and use copyrighted material contained in any commercial data being used to fulfill the terms of the contract at no expense to the government. When the Contractor uses commercial data which covers a subcontractor's component(s) or portion thereof, and the subcontractors data contains copyrighted material, the Contractor shall be responsible for obtaining a copyright release from their subcontractor and furnishing a copy of such release to the PCO. In the event that the Contractor cant obtain copyright release from the subcontractor, the Contractor will work with Government to determine the appropriate course of action. In the event no copyrighted information is used in a deliverable under this contract, the Contractor shall certify this in writing. This certification shall accompany the deliverable it applies to. The Contractor shall grant the Government unlimited right to any and all data/products that are developed and entirely funded by the Government.

C.9 Quality Assurance Provisions

C.9.1 Contract Quality Requirements

a. The Contractor shall have a Quality Program in compliance with ISO 9001-2000 or an equivalent standard. The Contractors Quality System requirements shall apply at the place of vehicle fabrication, in-process and final assembly.

b. Certification of Compliance for the quality system you identify, by an independent standards organization or auditor does not need to be furnished under this contract, however the Government reserves the right to inspect the Contractors certification for proof of system compliance, subsequent to each audit.

c. At any point during contract performance, the Government has the right to review your quality system to assess its effectiveness in meeting contractual requirements.

C.9.2 Final Inspection Record. The Contractor shall prepare a Final Inspection Record (FIR) in his/her own format for each vehicle under the contract IAW CDRL A008. Any subsequent changes to the FIR shall be approved by the on-site Government representative.

C.9.3 First Production Vehicle Inspection (FPVI). The Government will select one (1) vehicle from the first weeks production to be inspected for compliance to the requirements of the Contractor TDP. This inspection will be performed concurrently by the Contractor and the designated Government Quality Assurance Representative during all phases of vehicle production. The Contractor shall make available to the Government all records of prior inspections, tests, and vendor qualification/certifications. After FPVI acceptance, the vehicle will remain at the plant and will be shipped as part of the last lot of the contract. All Class I (ECP) changes in configuration will be applied to this FPVI "production standard" vehicle.

C.9.3.1 FPVI Defects. In the event that defects are discovered, the contractor will make any changes, modifications, or repairs to the FPVI vehicle, as well as previously produced and subsequently produced vehicles, as required, at no additional cost to the Government.

C.9.4 Testing

C.9.4.1 Five Mile Road Test. Each vehicle in its final production configuration will be subjected to a five (5) mile road test, without payload, on a paved surface. This test shall be conducted in accordance with the System Specification Test Matrix. The road test will be treated as a functional test, and will be recorded as part of the FIR.

C.9.4.2 Control Test. The contractor shall perform a control test, in accordance with the System Specification Test Matrix on one (1) vehicle every 30 days OR every 20 vehicles, whichever comes first, for the duration of the contract.

C.9.4.2.1 The control test vehicle will be randomly selected by the Government, inspected to the FIR, and operated with actual or simulated rated payload for not less than 50 miles by the contractor at the place of manufacture, or alternate location agreed upon by the PCO. Tests will be witnessed by a Government representative.

C.9.4.2.2 The contractor shall annotate the control test by adding one (1) additional sheet to the vehicle's FIR (CDRL A008) that reflects the tests performed.

C.9.5 Follow-On Production Test (FPT)

C.9.5.1 During the performance of this contract, the Government may randomly select and test one (1) vehicle each production quarter to be subjected to a 6,000 mile endurance and performance test at a Government test site. The FPT will follow the System Specification test profile, with the exception that the Ballistic Hull/Turret Test and Protection Characteristics will not be tested at FPT. First FPT vehicle will be selected from the 1st five vehicles produced under this contract. Profile may be tailored by the Government to include tests driven by engineering changes.

C.9.5.2 All Contractor changes to test vehicle hardware or software shall be submitted on a Test Work Authorization Document (TWAD). See Attachment 15 for sample TWAD). The Government will review and process this form within 2 working days after receipt. Once a modification has been validated during testing, the Contractor shall initiate a Request for Deviation IAW C.2.1.1.

C.9.5.2.1 The form shall be in Contractor format; a copy of which shall be provided to the Product Managers TACOM Quality Assurance Representative.

C.9.5.3 Test Completion. After completion of FPT, the test vehicle shall be returned to the contractor for refurbishment as directed by work directive.

C.9.5.3.1 In the event of vehicle test deficiencies, the Government reserves the right to retest the vehicle upon correction of defects by the Contractor to the extent necessary to successfully meet test requirements. Additional testing (due to deficiency retesting) shall be at the Contractors expense. Failure of FPT vehicles as a result of deficiencies discovered during testing shall be cause for rejection of such vehicles produced subsequent to the selection of the FPT test vehicle, including all vehicles produced since the previous FPT vehicles selection; or in the case of the first FPT, until evidence has been provided by the Contractor that corrective action has been taken to eliminate the deficiency. Any deficiency found during, or as a result of, these tests shall be prima facie evidence that all vehicles not yet accepted are similarly deficient, unless the contractor furnishes satisfactory evidence to the PCO

that they are not similarly deficient. Such deficiencies on all vehicles shall be corrected by the Contractor at no cost to the Government, including the cost of any additional testing which may be required to determine that the deficiency has been corrected.

C.9.6 Test Incident Reports (TIRS)/ Failure Analysis & Corrective Action Reports (FACARS).

C.9.6.1 Failure Analysis and Corrective Action Reports (FACARS) and Corrective Action Review Boards (CARBS) are required in response to Government Test Incident Reports (TIRs) during testing.

C.9.6.2 The Contractor shall be responsible for accessing the test site computer databases, i.e. Versatile Information Systems Integrated On-Line Nationwide (VISION)/ Army Test Incident Reporting System (ATIRS), for all Test Incident Report (TIR) data during Government-required tests. Receipt of a TIR is defined as the day the TIR is posted to the database (TIR Release Date). Upon receipt of a TIR, the Contractor shall determine the root cause of the failure and furnish a Failure Analysis and Corrective Action Report (FACAR) with the proposed corrective actions. The FACAR (i.e. Section VI of the TIR) shall be prepared by the Contractor in the ASCII format Corrective Action Data Stream identified at Attachment 10 and as described in CDRL A029.

C.9.6.3 No Contractor entries are required in data blocks 102, 103, 104, and 105. The first Contractor entry for each FACAR shall record OPEN in data block 100. No subsequent changes should be made to data block 100. Responses to data blocks 120-123 shall also include the data identified in DI-RELI-81315 (T). With the exception of the supporting documents, all required text shall be submitted to VISION/ATIRS through the ASCII format Corrective Action data stream.

C.9.6.4 Supporting Documentation - The Contractor shall provide Supporting Documentation (internal assessment, supplier data/vendors analysis, test data, certifications, drawings, digital photographs, etc.) for each FACAR IAW CDRL A029. The Supporting Documentation shall be submitted in .pdf format in conjunction with the ASCII Corrective Action data stream. To track multiple source documents related to a single FACAR, the file name shall be composed of a sequential FACAR numbering system [FACAR # - Version # .pdf].

For example:
K2-XXXXXXX-A.pdf ------1st document
K2-XXXXXXX-B.pdf ------2nd document
K2-XXXXXXX-C.pdf ------3rd document

For FACAR revisions, data blocks shall list any additional Supporting Documentation with the new file name.

C.9.6.5 The Contractor shall access the VISION Digital Library System (VDLS) and ATIRS/VISION System for TIRs and corresponding FACAR submissions prior to the first scheduled CARB to assure system compatibility and smooth processing of emailed data deliverables.

C.9.6.6 INTERIM FACARs - Interim FACARs shall be provided by the Contractor within the following specified time frames:

a. Critical Defect - 24 hours after the TIR Release Date.

b. Major Defect - 10 calendar days after official Government notification.

c. Minor Defect - 30 calendar days after official Government notification.

d. Informational - As directed by official Government notification.

The Interim FACAR shall be submitted in the ASCII format Corrective Action Data Stream as identified at Attachment 10 of the contract. Each applicable Data Block shall retain the following structure:

a. 1st line - Current Date/Name of team member generating the response

b. 2nd line - Source Document file name per E.3.4.4

c. 3rd line - Relevant content/date of the latest Government CARB Notification (if provided)

d. 4th line - Content as described in E.3.4.6.1

e. Last line - Action Complete

C.9.6.6.1 The Interim FACAR shall include the following content:

-Data Block 120: Developers Analysis of the Problem.
-Disposition of failed item.
-Statement as to whether this is a pattern failure (if so, the reports of the other failure(s) shall be referenced).

-Classification failure (independent or dependent).

-Failure symptoms.
-Failure mode.
-Failure analysis methods to include a preliminary investigation and analysis of each failed test exhibit at a level necessary to identify possible root causes, mechanisms, and potential effects of that failure on the system.

-Status of the Contractors preliminary investigation and any supplemental information related to the failure (i.e., any internal contractor assessments, records, reports, correspondence, etc.).

C.9.6.6.2 If the Government CARB determines that the Interim FACAR does not meet the above criteria, the Government CARB will notifythe Contractor. The Contractor shall address the stated deficiencies in the Final FACAR.

C.9.7 FINAL FACARs - For TIRs where an interim response is required (Critical/Major/Minor), a Final FACAR is due within 20 calendar days after receipt of the Interim FACAR. For TIRs where an Interim response is optional (Informational), a Final FACAR is due within 30 days after official Government notification regardless of an Interim FACAR submittal.

C.9.7.1 The final FACAR shall be submitted in the ASCII format Corrective Action Data Stream as identified at Attachment 10 of the contract. All Data Blocks shall retain the following structure:

1st line -Current Date/Name of team member generating the response
2nd line -Source Document file name per C.9.6.4
3rd line -Relevant content/date of the latest Government CARB Notification (if provided)
4th line -Content as described C.9.7.2
Last line -Action Complete

All subsequent FACAR updates shall retain the stated structure.

C.9.7.2 The Final FACAR shall include the following content:

a. Data Block 120: Developers Analysis of the Problem.
Disposition of failed item.

Statement as to whether this is a pattern failure (if so, the reports of the other failure(s) shall be referenced).

Classification failure (independent or dependent).

Failure symptoms.

Failure mode.

Failure analysis methods/results to include a full investigation and analysis of each failed test exhibit at a level necessary to identify the root cause, mechanisms, and effects of that failureon the system.

Status of the Contractors final investigation and any supplemental information related to the failure (i.e., any internal contractor assessments, records, reports, correspondence, etc).

b. Data Block 121: Status/description of the corrective action: Description of appropriate alternative corrective actions for the individual equipment failed. Status of the technical maturity of the proposed corrective action

c. Data Block 122: Test results on the corrective action: Expected useful life, i.e. projections of corrective action effectiveness based on test(s) and/or engineering analyses. Recommended corrective action.

d. Data Block 123: Planned Production Implementation
Planned coordination effort. Measures taken to prevent other failures.

C.9.7.2.1 If the Government CARB determines that a FACAR fails to address the criteria stated in C.9.7.2, the FACAR shall be rejected and the CDRL submittal shall be considered delinquent.

C.9.8 The Government CARB members may agree with the Contractor to extend or modify the time period for FACAR Submittals. No corrective action shall be implemented until the Contractor receives written notification from the Government CARB that the FACAR is approved/completed.

C.9.9 Revisions to TIRs shall be handled in the same manner as stated in C.9.6.2 thru C.9.6.6.1. Revisions shall include all previous submittals. Each submittal shall begin with the current date, author, and most recent official CARB comment.

C.9.10 The Contractor shall conspicuously mark, tag, and control each failed test exhibit received from the tester as it corresponds to its respective TIR. All identification markings/taggings placed on a failed test exhibit by the testers shall be maintained with the

exhibit. Each failed test exhibit supporting the FACAR process shall not be handled in a manner that may obliterate facts which are viewed by the Government CARB as pertinent to the analysis. The Contractor shall be fully responsible for the storage of each failed test exhibit (no matter where the storage facility is located) and the item(s) shall remain stored pending disposition of the failure analysis and Government CARB notification and approval.

C.9.11 Corrective Action Review Board (CARB) Support.

C.9.11.1 CARB Meetings. During and after Government testing, Corrective Action Review Board (CARB) meetings will be held to review the functional/performance failure data and corrective action status of all TIRs classified in data block 32 of the TIR as Critical, Major, or Minor. The CARB will review the contents of CDRL A029, DI-RELI-81315 (T) FACAR, primarily affecting blocks 100-123 of the TIR.

C.9.12 Product Quality Deficiency Reports (PQDR). The Contractor shall investigate and provide failure analysis and corrective action for all PQDRs generated against supplies produced under this contract. The Contractor shall provide a report of the investigation, which includes at a minimum: problem identification, root cause, immediate/short term action, corrective action implementation plan for permanent solution, and verification of effectiveness. The PQDR report of investigation shall be submitted within 30 calendar days of receipt of a Category I PQDR and within 45 calendar days of receipt of a Category II PQDR. Should an exhibit of the item in question be required, the Contractor shall submit an exhibit request electronically to the MTV PQDR Action Officer. Upon receipt of the request, the PQDR Action Officer will electronically delegate exhibit processing to the appropriate Administrative Contracting Officer (ACO) representative within 48 hours of request receipt. The ACO representative will arrange for transportation of exhibit (s) with the Contractor. The cost of exhibit transportation shall be the responsibility of the Contractor. All corrective actions taken by the Contractor shall be at no additional cost to the Government. PQDR corrective actions which require a configuration change, must be approved by the Government PCO. Final approval of QDR close-out resides with the PM.

C.9.13 Reserved

C.9.14 Welding.

C.9.14.1 Welding Procedures. Prior to production welding the contractor and or their suppliers are responsible for developing welding procedures IAW American Welding Society (AWS) weld code requirements. The use of pre-qualified weld joints as specified in AWS D1.1 does not preclude development of welding procedures. Standard weld procedures, if they do not already exist to repair welding of defective parts, shall require Government approval by the on-site Government representative. Weld procedures and weld process approvals shall be conducted via an audit by an independent or Government representative.

9.14.2 Reserved

C.9.14.3 Previously Qualified Procedures. If the contractor has previously qualified welding procedures under a previous DOD contract, the PCO may waive the requirements of paragraphs C.9.14.1. The contractor must submit such a request to the PCO in writing, identifying the previous contract(s) under which the contractor qualified the procedures. The contractor may use previously qualified weld procedures provided all of the following requirements are met:

a. The weld procedure was qualified and approved on a previous contract

b. The contractor has certified welders and equipment

c. There was no break in production for more than six months

d. The contractor and or supplier has a favorable quality history

e. The contractor submits objective proof of previous certification(s)

C.9.14.4 Welder Qualification. Before the contractor or the contractors suppliers assign any welder or welding operator to perform manual, semi-automatic or automatic welding operations for work associated with this SOW, the contractor shall ensure that the welders have successfully passed qualification testing as required by the applicable code or drawing.

C.9.14.5 Welding Inspection: For the purpose of this SOW, weld quality and workmanship shall be verified by qualified personnel trained to perform all aspects of weld inspections. Acceptable training may be:

-based on current or previous certification as an AWS Certified Welding Inspector, current
-previous qualification by the Canadian Welding Bureau (CWB)
-an engineer or technician by formal training or experience in metals fabrication, inspection and testing, and is competent in the use of weld inspection techniques/equipment.

C.9.15 Weld Acceptance.

C.9.15.1 Non-Ballistic Applications: Visual inspection and acceptance for non-ballistic applications shall be performed in accordance to

the following weld Codes:

AWS D1.1 Structural Welding Code, Steel
AWS D1.2 Structural Welding Code, Aluminum

C.9.16 Fuel/Fluid

The Contractor shall assure that all vehicles are shipped with a minimum of 1/4 tank of DF2 or JP8 fuel. Windshield washer reservoirs are to be filled with commercially available washer fluid prior to presenting vehicle for acceptance. All other fluids (i.e., transmission, engine oil, etc.) should be filled when presented for acceptance.

C.9.17 Paint System Inspection and Test. The Contractor shall assure all surfaces cleaning, painting, inspections and tests are documented and comply with Textron procedure CGT2003 CARC paint application and Textron Standard Manufacturing Procedure 058.

C.10 Field Service Representative Support (Option)

C.10.1 The contractor shall provide Field Service Representative (FSR) support to Military units in the Central Command (CENTCOM) Theater of Operations, as directed by mission requirements set forth by the performance certifier. FSRs shall be ready to deploy to CRC within 30 days after option exercise subject to Government Schedule.

C.10.2 FSR support shall extend anywhere within the CENTCOM Theater depending upon the mission requirements of the performance certifier.

C.10.3 The FSR shall provide weekly reports IAW CDRL A030, DI-MGMT-80061A (T) as directed by the performance certifier. The report shall address current vehicle readiness, parts usage, maintenance actions, and any problems or issues that arise. The report shall also address periodic user feedback on the operation and maintenance of the ASV. FSRs shall coordinate with performance certifier to determine content and flow of information back to PM MTV and the contractor.

C.10.4 The FSR shall be capable of providing digital photos as directed by performance certifier.

C.10.5 The contractor shall provide each FSR with a mechanics tool kit. Special tools will be provided by the supported unit.

C.10.6 While deployed in the CENTCOM theater of operations, FSR support shall include, but is not limited, to the following:

Provide Armored Security Vehicle (ASV) technical expertise and assist deployed Unit Operator/Maintenance personnel in repairs to the ASV.

Provide Unit training for operations & maintenance of the ASV, as schedule allows.

Assist the deployed Unit with fault diagnosis and/or clarify repair procedures (to the extent that the effort can be accomplished in the field.)

Act as liaison between deployed Unit personnel and Textron Marine & Land System ASV Engineering and Supply.

C.10.7 Tour of Duty/Hours of Work:

C.10.7.1 FSR personnel shall comply with all duty hours and tours of duty identified by the performance certifier.

C.10.7.2 The standard tour of duty is 365 days. The standard hours of work will be twelve hours a day, seven days per week, but may be modified or extended based on the mission needs of the performance certifier.

C.10.7.3 The contractor may rotate contractor employees into and out of the theater upon reaching a mutually agreeable solution to personnel changes with the Government provided there is not degradation in mission.

C.10.7.4 The PCO may modify the work schedule to ensure the governments ability to continue to execute its mission.

C.10.7.5 The contractor shall be reasonably available to work on-call during other than regular hours to perform high priority tasks.

C.10.8 Central Processing and Departure Point:

C.10.8.1 The U.S. Government (USG) is responsible for providing information on all requirements necessary for deployment.

C.10.8.2 The USG is responsible for coordinating pre-deployment training and processing at the Continental United States (CONUS) Replacement Center (CRC), Ft. Bliss, TX, or some other location as instructed by the U.S. Army.

C.10.8.3 The contractor is responsible for ensuring that FSRs complete all training and processing at the CRC prior to deploying to CENTCOM Theater of Operations. For any contractor employee determined by the Government at the CRC to be non-deployable, the contractor shall promptly remedy the problem. If the problem cannot be remedied in time for deployment, a replacement FSR, having equivalent qualifications and skills, shall be provided to meet the re-scheduled deployment timeline as determined by the PCO.

C.10.8.4 The USG shall provide all Nuclear, Biological, and Chemical (NBC) equipment and Chemical Defensive Equipment (CDE) training at the CRC prior to deployment. CDE training shall be commensurate with the training provided to Department of Defense civilian employees.

C.10.9 Travel & Other Direct Costs:

C.10.9.1 All travel shall be conducted in accordance with Joint Travel Regulations.

C.10.9.2 The contractor shall bill all travel related expenses and ODC to a STS Work Directive issued by the Government.

C.10.9.3 The contractor is responsible for coordinating travel to the CRC prior to deployment and travel from CRC upon return from deployment.

C.10.9.4 The USG is responsible for coordinating travel to and from CENTCOM Theater of Operations.

C.10.9.5 The USG is responsible for coordinating transportation should FSR personnel be required to temporarily exit a country due to Visa restrictions. The contractor is responsible for coordinating all other travel arrangements required due to Visa restrictions.

C.10.10 Labor:

C.10.10.1 The contractor will provide parts and administrative support to deployed FSRs. Related costs will be charged to a Work Directive.

C.10.10.2 A separate CLIN will be established for all support provided directly by FSRs.

C.10.10.3 Within the Continental United States (CONUS) all labor related to this effort will be charged at a fixed daily rate per FSR.

C.10.10.4 Outside the Continental United States (OCONUS) all labor related to this effort will be charged at a fixed daily rate per FSR.

C.10.11 Personnel Management:

C.10.11.1 The contractor shall place FSRs deploying to support this effort under administrative control of the supporting unit or the designated Logistics Support element as directed by the performance certifier.

C.10.11.2 The contractor shall ensure that FSRs comply with all guidance, instructions, and general orders applicable to U.S. Armed Forces and DOD civilians issued by the Theater Commander or his/her representative. This will include any and all guidance and instructions issued based upon the need to ensure mission accomplishment, force protection, safety, and unit cohesion.

C.10.11.3 The contractor shall promptly resolve, to the satisfaction of the contracting officer, all contractor employee performance and conduct problems identified by the contracting officer, or the performance certifier.

C.10.11.4 The contracting officer may direct the contractor to remove or replace any FSR failing to adhere to instructions and general orders issued by the Theater Commander or his/her designated representative.

C.10.11.5 The contractor shall brief its employees regarding the potential danger, stress, physical hardships and field living conditions.

C.10.11.6 The contractor shall replace employees within five days or as directed by the contracting officer, if the employee departs an area of operations without permission.

C.10.11.7 The contractor shall ensure FSR personnel deploying in support of this effort are furnished the opportunity and assisted with making wills and powers of attorney prior to deployment processing and/or deployment.

C.10.11.8 Before deployment, the contractor shall ensure that each contractor employee completes a DD Form 93, Record of Emergency Data Card, and returns the completed form to the contracting officers representative or the designated government official.

C.10.12 Force Protection:

C.10.12.1 While performing duties in accordance with the terms and conditions of the contract, the USG will provide force protection to FSR personnel commensurate with that given to Service/Agency (e.g. Army, Navy, Air Force, Marine, Defense Logistics Agency) civilians in the area of operations.

C.10.12.2 The USG will relocate FSR personnel to a safe area or evacuate them from the area of operations as required by the operational situation.

C.10.13 Identification Cards:

C.10.13.1 All required identification cards and tags will be issued at the CRC prior to deployment.

C.10.13.2 The contractor shall ensure that all FSRs have the required identification tags and cards prior to deployment.

C.10.13.3 Upon redeployment, the contractor will ensure that all issued controlled identification cards and tags are returned to the government.

C.10.14 Medical Screening and Processing:

C.10.14.1 The contractor shall be responsible for providing employees who met the physical standards and medical requirements for job performance in the designated theater of operations.

C.10.14.2 The USG will require medical screening at the CONUS Replacement Center to include DNA sampling and immunizations for deploying FRS personnel.

C.10.14.3 For any deployed FSR determined by the government to be medically unfit, the contractor shall promptly remedy the problem. If the problem cannot be remedied for the specific employee in question, a replacement, having equivalent qualifications and skills, shall be provided as determined by the contracting officer.

C.10.14.4 Deploying civilian contractor personnel shall carry with them a minimum of a 90-day supply of any medication they require.

C.10.14.5 Clothing and Equipment Issue:

C.10.14.5.1 The contractor shall ensure that contractor employees possess the necessary personal clothing and safety equipment to execute contract performance in the theater of operations in accordance with the statement of work. (Clothing should be distinctive and unique and not imply that the contractor is a military member, while at the same time not adversely affecting the governments tactical position in the field.)

C.10.14.5.2 Deploying FSR personnel will obtain all required military unique organizational clothing and individual equipment from the CRC. (Types of organizational clothing and individual equipment may include Nuclear, Biological, and Chemical defensive equipment.)

C.10.14.5.3 Upon receipt of organizational clothing and individual equipment, the FSR personnel shall assume full responsibility and accountability for these items.

C.10.14.5.4 Deploying FSR personnel shall sign for all issued organizational clothing and individual equipment, thus, acknowledging receipt and acceptance of responsibility for the proper maintenance and accountability of issued organizational clothing and individual equipment.

C.10.14.5.5 The contractor shall ensure that all issued organizational clothing and individual equipment is returned to the government. FSR personnel are required to process through the CRC upon redeployment from CENTCOM theater of operations in order to return issued organizational clothing and individual equipment to government control.

C.10.14.5.6 The contracting officer will require the contractor to reimburse the government for organizational clothing and individual equipment lost or damaged due to contractor negligence.

C.10.15 Weapons and Training:

C.10.15.1 The USG may choose to issue weapons for self-defense to deployed FSR personnel. Acceptance of weapons by contractor employees is at the discretion of the contractor and the contractor employees. When accepted, the contractor employee is responsible for using the weapon in accordance with the rules of engagement issued by the Theater Commander. The contractor employee is legally liable for any use that is not in accordance with the rules of engagement. Also, when accepted, only military issued ammunition may be used in the weapon.

C.10.15.2 Prior to issuing any weapons to FSR personnel, the government shall provide the contractor employees with weapons familiarization training commensurate to training provided to Department of Defense civilian employees.

C.10.15.3 The contractor shall ensure that its employees adhere to all guidance and orders issued by the theater Commander or his/her representative regarding possession, use, safety and accountability of weapons and ammunition.

C.10.15.4 Upon redeployment or notification by the government, the contractor shall ensure that all government issued weapons and

ammunition are returned to government control.

C.10.16 Vehicle and Equipment Operation:

C.10.16.1 The contractor shall ensure that deployed employees possess the required civilian licenses to operate the equipment necessary to perform the contract in the theater of operations in accordance with the statement of work.

C.10.16.2 Before operating any military owned or leased equipment, the FSR personnel shall provide proof of license (issued by an appropriate governmental authority) to the contracting officer or his/her representative.

C.10.16.3 The government, at its discretion, may train and license FSRs to operate military owned or leased equipment.

C.10.17 Passports, Visas and Customs:

C.10.17.1 The contractor is responsible for obtaining all passports, visas, or other documents necessary to enter and/or exit any area(s) identified by the contracting officer for FSR personnel.

C.10.17.2 All contractor employees shall be subject to the customs processing procedures, laws, agreements and duties of the country in which they are deploying to and the procedures, laws, and duties of the United States upon re-entry.

C.10.17.3 The contracting officer will determine and stipulate the allowability and allocability of payment for entry/exit duties on personal items in possession of contractor employees.

C.10.17.4 Contractors are required to register all personnel with the appropriate U.S. Embassy or Consulate.

C.10.18 Reception, Staging, Onward Movement and Integration (RSO&I):

C.10.18.1 Upon arrival in the area of operations, contractor employees may receive Reception, Staging, Onward movement and Integration, as directed by the contracting officer or performance certifier.

C.10.18.2 The contractor should be prepared to move material and equipment using U.S. government transportation and comply with applicable transportation regulations, such as; MILSTAMP, etc., for safety, packaging, tie-down, etc.

C.10.19 Status of Forces Agreement:

C.10.19.1 After consulting with the serving legal office, the PCO shall advise the contractor on all applicable Status of Forces Agreements (SOFA) and other similar related agreements, and provide copies upon request.

C.10.19.2 The contractor is responsible for obtaining all necessary legal advice concerning the content, meaning, application, etc. of any applicable SOFAs, and similar agreements.

C.10.19.3 The contractor shall adhere to all relevant provisions of applicable Status of Forces Agreements (SOFA) and other similar related agreements.

C.10.19.4 The contractor is responsible for providing the government with the required documentation to acquire invited contractor or technical expert status, if required by SOFA.

C.10.20 Redeployment:

C.10.20.1 Upon notification of redeployment, the contracting officer shall authorize FSR personnel travel from the theater of operations to the designated CONUS Replacement Center (CRC) or individual deployment site.

C.10.20.2 The contractor shall ensure that all government-issued clothing and equipment provided to the contractor or the contractors employees are returned to government control upon completion of the deployment.

C.10.20.3 The contractor shall provide the contracting officer with documentation, annotated by the receiving government official, of all clothing and equipment returns.

* Changed/incorporated by Modification P00200

*** END OF NARRATIVE C0002 ***

Name of Offeror or Contractor: TEXTRON INC.

SECTION G - CONTRACT ADMINISTRATION DATA

LINE ITEM	PRON/ AMS CD/ MIPR	ACRN	OBLG STAT/ JOB ORD NO	PRIOR AMOUNT	INCREASE/DECREASE AMOUNT	CUMULATIVE AMOUNT
0001BX	7286F37272 52899329097 A18P50973RSU	BF	2 8GBAKS	$ 19,146,034.00	$ -65,432.00	$ 19,080,602.00
0001BY	7286F37172 52899329097 A18P50973R72	BF	2 8GB097	$ 31,498,314.00	$ -226,839.00	$ 31,271,475.00
0001CH	7286F40372 52899329097 A18P50973RMS	BF	2 8GBKMS	$ 6,176,140.00	$ -43,683.00	$ 6,132,457.00
0001CP	7286F41272 52899329097 A18P50973R72	BF	2 8GB097	$ 3,088,070.00	$ -21,484.00	$ 3,066,586.00
				NET CHANGE	$ -357,438.00	

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	BF	21 82035000085R5R03P52899331E9 S20113	W56HZV	$ -357,438.00
			NET CHANGE	$ -357,438.00

	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	$ 1,779,493,604.47	$ -357,438.00	$ 1,779,136,166.47

LINE ITEM	ACRN	EDI	ACCOUNTING CLASSIFICATION				
0001BX	BF	21	081020350000	S20113	85R5R035289932909731E9	8GBAKSS20113	W56HZV
0001BY	BF	21	081020350000	S20113	85R5R035289932909731E9	8GB097S20113	W56HZV
0001CH	BF	21	081020350000	S20113	85R5R035289932909731E9	8GBKMSS20113	W56HZV
0001CP	BF	21	081020350000	S20113	85R5R035289932909731E9	8GB097S20113	W56HZV

NOTE TO DFAS: Contractor has paid in full the NULO amount that may be caused/created by this modification, P00200. Payment was made to the Treasurer of The United States, check number 183481, dated 13 May 2010, in the amount of $357,438.00. No demand letter requesting payment should be sent to the contractor as a result of this NULO since funds have already been sumbitted to the Treasury.

*** END OF NARRATIVE G0001 ***